

Date Mailed: DECEMBER 15, 1999

Sheet 4 of 4



FORM 1449\*

## INFORMATION DISCLOSURE STATEMENT

IN AN APPLICATION

(Use several sheets if necessary)

Docket Number:

9366.15USD1

Application Number:

~~09/264,461~~

10/602,365

Applicant: SOPP ET AL.

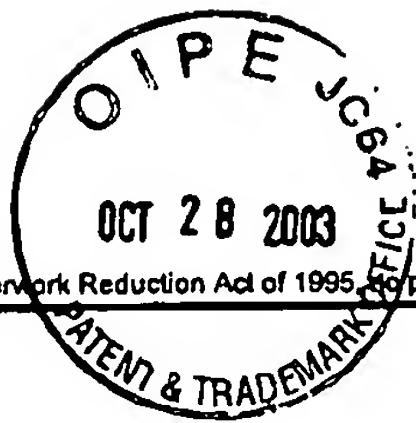
Filing Date: 03/08/1999

Group Art Unit: ~~3736~~

1877

U.S. PATENT DOCUMENTS							
EXAMINER INITIAL	DOCUMENT NO.	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE	
MS	5,115,133	05/19/1992	Knudson				
MS	5,146,091	09/08/1992	Knudson				
MS	5,179,951	01/19/1993	Knudson				
MS	5,201,324	04/13/1993	Swierczek				
MS	5,231,993	08/03/1993	Haber et al.				
MS	5,320,607	06/14/1994	Ishibashi				
MS	5,368,047	11/29/1994	Suzuki et al.				
MS	5,437,841	08/01/1995	Balmer				
MS	5,458,140	10/17/1995	Eppstein et al.				
MS	5,470,757	11/28/1995	Gagnon et al.				
MS	5,582,184	12/10/1996	Erickson et al.				
MS	5,682,233	10/28/1997	Brinda				
MS	5,746,217	05/05/1998	Erickson et al.				
MS	5,820,570	10/13/1998	Erickson et al.				
MS	5,879,310	03/09/1999	Sopp et al.				
MS	5,879,367	03/09/1999	Latterell et al.				
FOREIGN PATENT DOCUMENTS							
	DOCUMENT NO.	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
						YES	NO
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)							
		Moatti-Sirat, D. et al., "Towards Continuous Glucose Monitoring: In Vivo Evaluation of Miniaturized Glucose Sensor Implanted for Several Days in Rat Subcutaneous Tissue", <i>Diabetologia</i> , Vol. 35, pp. 224-230 (1992)					
		Petersen, L. et al., "Microdialysis of the Interstitial Water Space in Human Skin <i>In Vivo</i> : Quantitative Measurement of Cutaneous Glucose Concentrations," <i>J Invest Dermatol</i> , Vol. 99, No. 3, pp. 357-360 (September 1992)					
		Turner, A. et al., "Diabetes Mellitus: Biosensors for Research and Management," <i>Biosensors</i> , Vol. 1, pp. 85-115 (1985)					
		Wiig, H., "Evaluation of Methodologies for Measurement of Interstitial Fluid Pressure (Pi): Physiological Implications of Recent Pi Data," <i>Crit Rev Biomed Eng</i> , Vol. 18, No. 1, pp. 27-54 (1990)					
		Wolfson, Jr., S. et al., "Glucose Concentration at Possible Sensor Tissue Implant Sites," <i>Diabetes</i> , Vol. 5, No. 3, pp. 162-165 (May-June 1982)					

EXAMINER	M. J. Stahl	DATE CONSIDERED	9/8/04
EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form for next communication to the Applicant.			



PTO/SB/08a (05-03)

Approved for use through 04/30/2003. OMB 0651-0031

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

<b>Substitute for form 1449A/PTO</b>  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (use as many sheets as necessary)		<b>Complete if Known</b>	
		Application Number	10/602,365
		Filing Date	June 23, 2003
		First Named Inventor	SOPP, JOHN P.
		Art Unit	3764
		Examiner Name	To Be Assigned
Sheet 1	of 1	Attorney Docket Number	LIFE-090CON3

U.S. PATENT DOCUMENTS						
Examiner Initials <sup>1</sup>	Cite No. <sup>1</sup>	Document Number		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code <sup>2</sup> (if known)				
MB MB MB MB MB MB MB MB MB MB MB MB MB MB		US-	6,602,205		08-05-2003	Erickson et al.
		US-	6,624,882		09-23-2003	Sopp et al.
		US-	5,046,508		09-10-1991	Weissler
		US-	5,165,419		11-24-1992	Sarstedt
		US-	5,682,233		10-28-1997	Brida
		US-				
		US-				
		US-				
		US-				
		US-				
		US-				
		US-				
		US-				
		US-				
	US-					

FOREIGN PATENT DOCUMENTS						
Examiner Initials <sup>1</sup>	Cite No. <sup>1</sup>	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>6</sup>
		Country Code <sup>3</sup> -Number <sup>4</sup> -Kind Code <sup>5</sup> (if known)				

Examiner Signature	Michael Stern	Date Considered	9/18/04
-----------------------	---------------	--------------------	---------

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. 1 Applicant's unique citation designation number (optional). 2 See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. 3 Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). 4 For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. 5 Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 If possible. 6 Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

Date Mailed: DECEMBER 15, 1999

Sheet 1 of 4



FORM 1449* INFORMATION DISCLOSURE STATEMENT IN AN APPLICATION (Use several sheets if necessary)	Docket Number: 9366.15USD1	Application Number: <del>09/264,481</del> 10/602,365
	Applicant: SOPP ET AL.	
	Filing Date: 03/08/1999	Group Art Unit: <del>3236</del> 2877

U.S. PATENT DOCUMENTS							
EXAMINER INITIAL	DOCUMENT NO.	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE	
MS	3,123,066	03/03/1964	Brumley				
MS	3,136,310	06/09/1964	Meltzer				
MS	3,208,452	09/28/1965	Stern				
MS	3,338,239	08/29/1967	Mausteller				
MS	3,958,560	05/25/1976	March				
MS	4,014,321	03/29/1977	March				
MS	4,195,641	04/01/1980	Johnes et al.				
MS	4,200,110	04/29/1980	Peterson et al.				
MS	4,407,290	10/04/1983	Wilber				
MS	B1 4,407,290	10/14/1986	Wilber				
MS	4,489,974	12/25/1984	Warhol				
MS	4,517,978	05/21/1985	Levin et al.				
MS	4,622,974	11/18/1986	Coleman et al.				
FOREIGN PATENT DOCUMENTS							
	DOCUMENT NO.	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
						YES	NO
MS	37 08 031 A1	11/12/1987	DE			X	
MS	0 160 768 A1	11/13/1985	EP				
MS	0 199 484 A2	10/29/1986	EP				
MS	0 212 906 A2	03/04/1987	EP				
MS	0 250 257 A1	12/23/1987	EP				
MS	0 453 283 A1	10/23/1991	EP				
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)							
MS		Arnold, M. et al., "Determination of Physiological Levels of Glucose in an Aqueous Matrix with Digitally Filtered Fourier Transform Near-Infrared Spectra," <i>Anal. Chem.</i> , Vol. 62, pp. 1457-1464 (1990)					
MS		Ash, S. et al., "Subcutaneous Capillary Filtrate Collector for Measurement of Blood Glucose," <i>ASAIO Journal</i> , Vol. 38, pp. M416-M420 (1992)					
MS		Ash, S. et al., "A Subcutaneous Capillary Filtrate Collector for Measurement of Blood Chemistries," <i>ASAIO Journal</i> , Vol. 39, pp. M699-M705 (1993)					
MS		Brace, R. et al., "Reevaluation of the Needle Method for Measuring Interstitial Fluid Pressure," <i>Am J. Physiol.</i> , Vol. 229, No. 3, pp. 603-607 (September 1975)					
MS		DuPuy, N. et al., "Quantitative Analysis of Aqueous Solutions by FTIR Spectroscopy of Dry Extract", SPIE, Vol. 1575, 8th International Conference on Fourier Transform Spectroscopy, pp. 501-502 (1991)					

EXAMINER	Michael Steiner	DATE CONSIDERED	9/8/04
EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form for next communication to the Applicant.			

Date Mailed: DECEMBER 15, 1999

Sheet 2 of 4

<b>FORM 1449*</b> <b>INFORMATION DISCLOSURE STATEMENT</b> <b>IN AN APPLICATION</b> (Use several sheets if necessary)	Docket Number: 9366.15USD1	Application Number: 09/204,401 <b>10/602,365</b>
	Applicant: SOPP ET AL.	
	Filing Date: 03/08/1999	Group Art Unit: <del>3736</del> <b>2877</b>

## U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NO.	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
<i>MS</i>	4,637,403	01/20/1987	Garcia et al.			
<i>MS</i>	4,648,408	03/10/1987	Hutcheson et al.			
<i>MS</i>	4,655,225	04/07/1987	Dähne et al.			
<i>MS</i>	4,660,971	04/28/1987	Sage et al.			
<i>MS</i>	4,685,463	08/11/1987	Williams			
<i>MS</i>	4,703,756	11/03/1987	Gough et al.			
<i>MS</i>	4,704,029	11/03/1987	Van Heuvelen			
<i>MS</i>	4,730,622	03/15/1988	Cohen			
<i>MS</i>	4,750,830	06/14/1988	Lee			
<i>MS</i>	4,805,623	02/21/1989	Jöbsis			
<i>MS</i>	4,873,993	10/17/1989	Meserol et al.			
<i>MS</i>	4,882,492	11/21/1989	Schlager			
<i>MS</i>	4,883,068	11/28/1989	Dechow			

## FOREIGN PATENT DOCUMENTS

	DOCUMENT NO.	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
						YES	NO
<i>MS</i>	0 582 226 A1	02/09/1994	EP			Abstract	
<i>MS</i>	2 033 575 A	05/21/1980	GB				
<i>MS</i>	WO 85/04089	09/26/1985	PCT				
<i>MS</i>	WO 88/00812	02/11/1988	PCT				
<i>MS</i>	WO 91/18548	12/12/1991	PCT				
<i>MS</i>	WO 95/10223	04/20/1995	PCT				

## OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

<i>MS</i>		Gelman Science brochure, pg. 60 (1993) showing Nylaflo, Catalog P/N 32378.
<i>MS</i>		Gilanyi, M. et al., "Ion Concentrations in Subcutaneous Interstitial Fluid: Measured Versus Expected Values," <i>Am. J. Physiol.</i> (United States) Sept. 1988, 255 (3 Pt 2) pp. F513-F519
<i>MS</i>		Ginsberg, B. "An Overview of Minimally Invasive Technologies", <i>Clinical Chemistry</i> , Vol. 38, No. 9, pp. 1596-1600 (1992)
<i>MS</i>		"Glucose Sensors" and "Like An Injection" sections on page 26 of Diabetes Forecast, May, 1993
<i>MS</i>		Janle-Swain, E. et al., "Use of Capillary Filtrate Collector for Monitoring Glucose in Diabetics," <i>Trans. Am. Artif. Intern. Organs</i> , Vol. XXXII, pp. 336-340 (1987)

EXAMINER <i>Michael Stahl</i>	DATE CONSIDERED <i>9/8/04</i>
EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form for next communication to the Applicant.	

Date Mailed: DECEMBER 15, 1999

Sheet 3 of 4

<b>FORM 1449*</b> <b>INFORMATION DISCLOSURE STATEMENT</b> <b>IN AN APPLICATION</b> (Use several sheets if necessary)	Docket Number: 9366.15USD1	Application Number: <del>09/264,461</del> 10/602,365
	Applicant: SOPP ET AL.	
	Filing Date: 03/08/1999	Group Art Unit: <del>2336</del> 2817



U.S. PATENT DOCUMENTS							
EXAMINER INITIAL	DOCUMENT NO.	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE	
MS	4,901,728	02/20/1990	Hutchinson				
MS	4,953,552	09/04/1990	DeMarzo				
MS	4,954,318	09/04/1990	Yafuso et al.				
MS	4,960,467	10/02/1990	Peck				
MS	4,981,779	01/01/1991	Wagner				
MS	5,002,054	03/26/1991	Ash et al.				
MS	5,014,718	05/14/1991	Mitchen				
MS	5,026,388	06/25/1991	Ingatz				
MS	5,029,583	07/09/1991	Meserol et al.				
MS	5,035,704	07/30/1991	Lambert et al.				
MS	5,054,499	10/08/1991	Swierczek				
MS	5,066,859	11/19/1991	Karkar et al.				
MS	5,070,886	12/10/1991	Mitchen et al.				
MS	5,079,421	01/07/1992	Knudson et al.				
FOREIGN PATENT DOCUMENTS							
	DOCUMENT NO.	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
						YES	NO
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)							
MS		Kayashima, S. et al., "New Noninvasive Transcutaneous Approach to Blood Glucose Monitoring: Successful Glucose Monitoring on Human 75 g OGTT with Novel Sampling Chamber," <i>IEEE Transactions on Biomedical Engineering</i> , Vol. 38, No. 8, pp. 752-757 (August 1991)					
MS		Kayashima S. et al., "Suction Effusion Fluid From Skin and Constituent Analysis: New Candidate for Interstitial Fluid," <i>Am J. Physiol</i> (United States) Nov. 1992, 263 (5 Pt 2), pp. H1623-H1627					
MS		Khstala, U., "Suction Blister Device for Separation of Viable Epidermis from Dermis," <i>Journal of Investigative Dermatology</i> , Vol. 50, No. 2, pp. 120-137 (1968)					
MS		Korthius, R. et al., "Method for Sampling Interstitial Fluid" from book entitled <u>Microcirculatory Technology</u> , edited by D. H. Baker et al., Academic Press, Chapter 21, pp. 326-327 (1986)					
MS		Mendelson, Y. et al., "Blood Glucose Measurement by Multiple Attenuated Total Reflection and Infrared Absorption Spectroscopy," <i>IEEE Transactions on Biomedical Engineering</i> , Vol. 37, No. 5, pp. 458-465 (May 1990)					

EXAMINER	M. J. St. John	DATE CONSIDERED	8/8/04
EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form for next communication to the Applicant.			